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FIRST NAMED APPLICANT ATTY. DOCKET NO. U.S. APPLICATION NUMBER NO. Yuji Miyahara 2006 1275A 10/587,941 INTERNATIONAL APPLICATION NO. PCT/JP05/01987 513 I.A. FILING DATE PRIORITY DATE WENDEROTH, LIND & PONACK, L.L.P. ECEIVE 02/03/2005 02/03/2004 2033 K STREET N. W. SUITE 800 WASHINGTON, DC 20006-1021 JUL 2 0 2007

WENDEROTH, LIND & PONACK

CONFIRMATION NO. 1015 371 FORMALITIES LETTER *OC000000024895446*

Date Mailed: 07/19/2007

NOTIFICATION TO COMPLY WITH REQUIREMENTS FOR PATENT APPLICATIONS CONTAINING NUCLEOTIDE AND/OR AMINO ACID SEQUENCE DISCLOSURES

Applicant is given TWO MONTHS FROM THE DATE OF THIS NOTICE within which to file the items indicated below to avoid abandonment. Extensions of time may be obtained under the provisions of 37 CFR 1.136(a).

• A copy of the "Sequence Listing" in computer readable form has been submitted. However, the content of the computer readable form does not comply with the requirements of 37 CFR-1.822 and/or 1.823, as indicated on the attached copy of the marked -up "Raw Sequence Listing." Applicant must provide a substitute computer readable form (CRF) copy of the "Sequence Listing" and a statement that the content of the sequence listing information recorded in computer readable form is identical to the written (on paper or compact disc) sequence listing and, where applicable, includes no new matter, as required by 37 CFR 1.821(e), 1.821(f), 1.821(g), 1.825(b), or 1.825(d).

Applicant is cautioned that correction of the above items may cause the specification and drawings page count to exceed 100 pages. If the specification and drawings exceed 100 pages, applicant will need to submit the required application size fee.

For questions regarding compliance to 37 CFR 1.821-1.825 requirements, please contact:

- For Rules Interpretation, call (571) 272-0951
- For Patentin Software Program Help, call Patent EBC at 1-866-217-9197 or directly at 703-305-3028 / 703-308-6845 between the hours of 6 a.m. and 12 midnight, Monday through Friday, EST.
- Send e-mail correspondence for Patentin Software Program Help @ ebc@uspto.gov

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

Registered users of EFS-Web may alternatively submit their reply to this notice via EFS-Web. https://sportal.uspto.gov/authenticate/AuthenticateUserLocalEPF.html

For more information about EFS-Web please call the USPTO Electronic Business Center at 1-866-217-9197 or visit our website at http://www.uspto.gov/ebc. A 1986 A 1997 A 1998 A 1997 A 19

and programed as a program such higger and any significant of the class program which are noticed builded as

If you are not using EFS-Web to submit your reply, you must include a copy of this notice.

BARBARA A CAMPBELL

Telephone: (703) 308-9140 EXT 217

PART 1 - ATTORNEY/APPLICANT COPY

VICE ADDITION AND THE A	DETERMINATION AL ADDITION NO	ATTY DOCUET NO
U.S. APPLICATION NUMBER NO.	INTERNATIONAL APPLICATION NO.	ATTY. DOCKET NO.
10/587,941	PCT/JP05/01987	2006 1275A

FORM PCT/DO/EO/922 (371 Formalities Notice)

STIC Biotechnology Systems Branch

RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number:	10/587,941			
Source:	1FWP			
Date Processed by STIC:	08/10/2006			

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE <u>CHECKER</u> <u>VERSION 4.4.0 PROGRAM</u>, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

- 1. EFS-Bio (<http://www.uspto.gov/ebc/efs/downloads/documents.htm>, EFS Submission User Manual ePAVE)
- 2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
- 3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05): U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314

Revised 01/10/06

Raw Sequence Listing Error Summary

• •		•	•	10/00 011	•		
ERROR DETECTE	D SUGGE	STED CORRECTION	SERIAL NUMBER:	10/587,941			
ATTN: NEW RULE	S CASES: PLEASE	DISREGARD ENGLISH "	ALPHA" HEADERS, WHICH	H WERE INSERTED BY PTO	O SOFTWARE		
IWrapped Wrapped	Aminos was retr		• •	next line. This may occur in st your right margin to .3; th	-		
2Invalid Lin	ne Length The rule	es require that a line not exc	ceed 72 characters in length.	This includes white spaces			
3Misaligned Numberin		The numbering under each 5 th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.					
4Non-ASCI		The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.					
5Variable L	each n o	or Xaa can only represent	a single residue. Please pro	ne residue. Per Sequence Resent the maximum number section that some may be m	of each		
6Patentin 2 "bug"	sequence previous the subs	es(s) Norma	ally, Patentin would automatence. Please manually copy e. This applies to the mane	ection to be missing from amtically generate this section for the relevant <220>-<223> section data to the relevant <220>-<223 for the relevant <220 for the	from the section to		
7Skipped Se (OLD RUI	LES) (2) INF((i) (xi) SEQ This seq	DRMATION FOR SEQ ID SEQUENCE CHARACT UENCE DESCRIPTION:Suence is intentionally skipp	NO:X: (insert SEQ ID NO v FERISTICS: (Do not insert a SEQ ID NO:X: (insert SEQ I bed	lowing lines for each skipped where "X" is shown) any subheadings under this hall NO where "X" is shown) onse to include the skipped	eading)		
8Skipped Se (NEW RU)	LES) <210> se	e(s) missing. If int equence id number equence id number	tentional, please insert the fo	ollowing lines for each skipp	ed sequence.		
9Use of n's c (NEW RUL	ES) Per 1.82	3 of Sequence Rules, use of		ting. FORY if n's or Xaa's are pre and which residue n or Xaa			
10Invalid <21 Response	scientific		220>-<223> section is requi	re: Unknown, Artificial Sequired when <213> response is			
Use of <22	of <220> Please e	to <223> is MANDATOR xplain source of genetic mation. (See "Federal Register	RY if <213> "Organism" respected in <220> to <223> see	umeric identifiers and response ponse is "Artificial Sequence ction or use "chemically syn 104, pp. 29631-32), also Se	e" or "Unknown. thesized" as		
2Patentin 2 "bug"	resulting	in missing mandatory num	eric identifiers and response	.0. This causes a corrupted fine (as indicated on raw seque) I means to copy file to floppy	nce		
3 Misuse of	n/Xaa "n" can o	inly represent a single <u>nucle</u>	eotide; "Xaa" can only repre	sent a single <u>amino acid</u>	•		
	•		•				

AMC - STIC Systems Branch - 03/02/06



IFWP

RAW SEQUENCE LISTING

DATE: 08/10/2006

PATENT APPLICATION: US/10/587,941

TIME: 11:08:34

Input Set : A:\PTO.SS.txt

Output Set: N:\CRF4\08102006\J587941.raw

3 <110> APPLICANT: National Institute for Materials Science

5 <120> TITLE OF INVENTION: An Electric-Field Effect Device for Gene Detection and An Analysis for

Polymorphism with The Device

8 <130> FILE REFERENCE: 05-F-007PCT

C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/587,941

C--> 10 <141> CURRENT FILING DATE: 2006-08-02

10 <150> PRIOR APPLICATION NUMBER: JP 2004-026821

11 <151> PRIOR FILING DATE: 2004-02-03

13 <160> NUMBER OF SEQ ID NOS: 4

15 <170> SOFTWARE: PatentIn version 3.1

Does Not Comply Corrected Diskette Needed

ERRORED SEQUENCES

53 <210> SEQ ID NO: 4

54 <211> LENGTH: 9

55 <212> TYPE: DNA

56 <213> ORGANISM: Artificial Sequence

58 <220> FEATURE:

59 <223> OTHER INFORMATION: (Alcohol dehydrogenase, mutant

61 <400> SEQUENCE: 4

B--> 62 catacactg

gnsufficien Explanation.
Explanation.
What is the Source
What is the Source
of genetic Material.
Pls see Hero II on
Error Summon any
Sheet.

The type of errors shown exist throughout the Sequence Listing. Please check subsequent sequences for similar errors.

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/587,941

DATE: 08/10/2006 TIME: 11:08:35

Input Set : A:\PTO.SS.txt

Output Set: N:\CRF4\08102006\J587941.raw

L:10 M:270 C: Current Application Number differs, Replaced Current Application No L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:62 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:9 SEQ:4